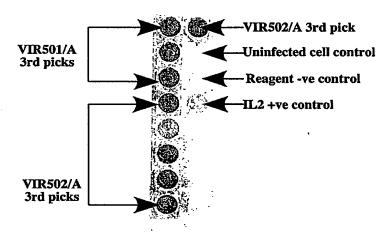


FIGURE 1

Best Available Copy

VIR501 and VIR502 third round plaque picks IL2-ELISA testing of undiluted culture medium from T25 infections



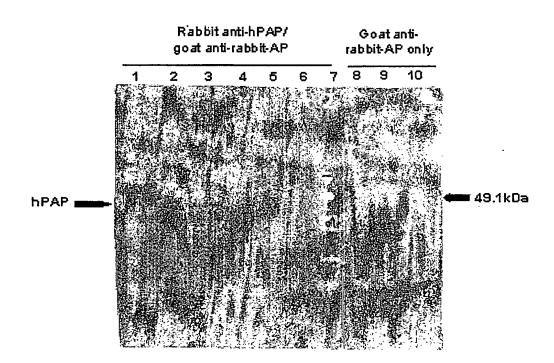


FIGURE 3

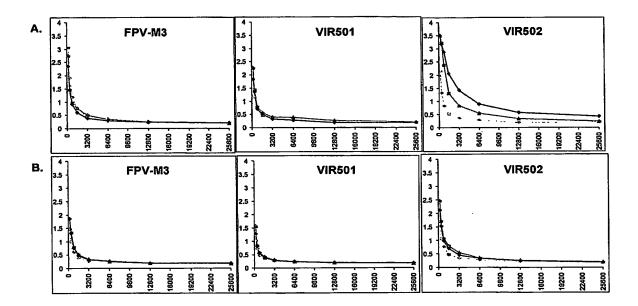


FIGURE 4

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Insertion site of VIR501 containing human IL2 and rat PAP sequences

The FPV ORFs are with reference to FPV genome ORFs - Genbank Ac No.: AF198100

ATGGATAGAAATATCAATTTTAGTCCTGTATTTATAGAACCTAGGTTTAAACACGAGTTTCTATTATCTCCTCAAAGGTATTTT
TACCTATCTTTATAGTTAAAATCAGGACATAAATATCTTGGATCCAAATTTTGTGCTCAAAGATAATAGAGGAGTTTCCATAAAA

 ${\tt TCGAGACCTTCCGGTATCTATTCGGCCTTGAGTTTAGATGGTTCACCGGTAAGGATTTCCGATTGTAGTTTGCTTTATCGTCAAGGCTCTGGAAGGCCATAGATAAGCCGGAACTCAAATCTACCAAGTGGCCATTCCTAAAGGCTAACATCAAACGAAAATAGCAGT$

ACTAGAAAATATAGGATGTTCTTACGAGCCTATGAGTGAATCGTTTAAGGCTCTTATTAAAGTAAAGGATGATGGTACTTTAGT TGATCTTTTATATCCTACAAGAATGCTCGGATACTCACTTAGCAAATTCCGAGAATAATTTCATTTCCTACTACCATGAAATCA

CGTAATAAGACTATCTAGTAAAAGCAGTTATATACTTCCCGCAAATACAAAATACATAAATCCAAACGAGAATATGTATATAAA GCATTATTCTGATAGATCATTTTCGTCAATATATGAAGGGCGTTTATGTTTTATGTATTTAGGTTTGCTCTTATACATATATTT

ATACAATAATTAATTTCTCGTAAAAGTAGAAAATATATTCTAATTTATTGCACGGTCTAGAACTAGTGGatccATGTACAGGAT
TATGTTATTAATTAAAGAGCATTTTCATCTTTTATATAAGATTAAATAACGTGCCAGATCTTGATCACCATGTCCTA

AACACAGCTACAACTGGAGCATTTACTGCTGGATTTACAGATGATTTTGAATGGAATTAATAATTACAAGAATCCCAAACTCAC
TTGTGTCGATGTTGACCTCGTAAATGACGACCTAAATGTCTACTAAAACTTACCTTAATTATTAATGTTCTTAGGGTTTGAGTG
> T Q L Q L E H L L D L Q M I L N G I N N Y K N P K L T

TCTGGAGGAAGTGCTGAATTTAGCTCAAAGCAAAAACTTTCACTTAAGACCCAGGGACTTAATCAGCAATATCAACGTAATAGT AGACCTCCTTCACGACTTAAATCGAGTTTCGTTTTTGAAAGTGAATTCTGGGTCCCTGAATTAGTCGTTATAGTTGCATTATCA > L E E V L N L A Q S K N F H L R P R D L I S N I N V I V

TCTGGAACTAAAGGGATCTGAAACAACATTCATGTGTGAATATGCAGATGAGACAGCAACCATTGTAGAATTTCTGAACAGATG AGACCTTGATTTCCCTAGACTTTGTTGTAAGTACACACTTATACGTCTACTCTGTCGTTGGTAACATCTTAAAGACTTGTCTAC > L E L K G S E T T F M C E Y A D E T A T I V E F L N R W

GATTACCTTTTGTCAAAGCATCATCTCAACACTAACTTGA**TTTTTGT**aGATCTGTCGAC*CATTTAGTATCCTAAAATTGAA*CTAATGGAAAACAGTTTCGTAGTAGAGTTGTGATTGAACT**AAAAAACA**tCTAGACAGCTG*GTAAATCATAGGATTTTAACTT*> I T F C Q S I I S T L T • FPV early/late
promoter

Early transcriptional stop sequence (bold)

TTGTAATTATCGATAATAAATGAGAGCTGTCCCTCTGCACCTCGTCGGGACAGCCAAGCCTCACCCTTGGCTTCTTGCTCCTGCT

AACATTAATAGCTATTATTTACTCTCGACAGGGAGACGTGGAGCAGCCCTGTCGTTCGGAGTGGGAACCGAAGAACGAGGACGA

> M R A V P L H L V G T A S L T L G F L L L L

Rat PAP protein coding sequence

GACCTTTCCTAATGACCCCATTAAGGAATCCTCGTGGCCACAAGGATTTGGCCAACTCACCAAGTGGGGCATGGGACAGCACTA
CTGGAAAGGATTACTGGGGTAATTCCTTAGGAGCACCGGTGTTCCTAAACCGGTTGAGTGGTTCACCCCGTACCCTGTCGTGAT
> T F P N D P I K E S S W P Q G F G Q L T K W G M G Q H Y

CGAACTCGGAAGTTATATAAGGAGAAGATACGGGAGATTCTTGAACAACTCCTATAAACATGACCAGGTTTATATCCGAAGCAC
GCTTGAGCCTTCAATATATTCCTCTTCTATGCCCTCTAAGAACTTGTTGAGGATATTTGTACTGGTCCAAATATAGGCTTCGTG
> E L G S Y I R R R Y G R F L N N S Y K H D Q V Y I R S T

AGATGTTGACAGGACTCTGATGACGCCTATGACAAACCTCGCAGCCCTGTTTCCCCCTGAGGGGATCAGCATCTGGAATCCCAG
TCTACAACTGTCCTGAGACTACTCGCGATACTGTTTTGGAGCGTCGGGACAAAGGGGGACTCCCCTAGTCGTAGACCTTAGGGTC
> D V D R T L M S A M T N L A A L F P P E G I S I W N P R

CTTTCAAGAACTCAAGAGTGAGACTTTAAAATCTGAGGAGTTCCTGAAGAGGGCTTCAACCATATAAAAGCTTCATAGACACCTT GAAAGTTCTTGAGTTCTCACTCTGAAATTTTAGACCTCTCAAGGACTTCTCCGAAGTTGGTATATTTTCGAAGTATCTGTGGAA > F Q E L K S E T L K S E E F L K R L Q P Y K S F I D T L

GCCATCGCTGTCGGGATTCGAGGACCAGGATCTTTTTGAAATCTGGAGTAGGCTTTACGACCCTTTATATTGCGAGAGTGTTCA
CGGTAGCGACAGCCCTAAGCTCCTAGAAAAACTTTAGACCTCATCCGAAATGCTGGGAAATATAACGCTCTCACAAGT
> p s l s g f e d q d l f e i w s r l y d p l y c e s v h

CAATTTCACCTTCCGCACCTGGGCCACAGAGGACGCCATGACTAAGTTGAAGGAGTTGTCAGAATTATCTCTGTTATCTCTTTA
GTTAAAGTGGAAGGCGTGGACCCGGTGTCTCCTGCGGTACTGATTCAACTTCCTCAACAGTCTTAATAGAGACAATAGAGAAAAT
> N F T F R T W A T E D A M T K L K E L S E L S L L S L Y

TAATGGACTTCTACCTCCCTACGCTTCCTGCCACATAATGGAATTGTACCAGGATAATGGGGGGACCTTCGTGGAGATGTACTA
ATTACCTGAAGATGGAGGAGGACGGTGTATTACCTTAACATGGTCCTATTACCCCCCTGGAAGCACCTCTACATGAT
> N G L L P P Y A S C H I M E L Y Q D N G G T F V E M Y Y

CCGGAATGAGACCCAGAACGAGCCCTACCCACTCACGCTGCCGGCTGTACCCACAGCTGCCCTCTGGAGAAGTTTGCAGAGCT GGCCTTACTCTGGGTCTTGCTCGGGATGGGTGAGTGCGACGGCCCGACATGGGTGTCGACGGGAGACCTCTTCAAACGTCTCGA > R N E T Q N E P Y P L T L P G C T H S C P L E K F A E L

FIGURE 5 cont.

ACTGGACCCCGTGATCCCCCAGGACTGGGCCACAGAGTGTATGGGCACAAGCACCACCAAGCGTCGCTGTAATTTTTCTGTCG
TGACCTGGGGCACTAGGGGGTCCTGACCCGGTGTCTCACATACCCGTGTTCGTTGGTGGTTCGCAGCGACATTAAAAAGACAGC
> L D P V I P Q D W A T E C M G T S N H Q A S L •

ACCCATGGTTGTTAAAAAGGAATTGAAAGAAAATATTTTATATCGTAATAAATTAAATATGCATGAAGGACATCAGGAGTCTTT
TGGGTACCAACAATTTTTCCTTAACTTTCTTTTATAAAATATAGCATTATTTAATTTAATGCATCCTCTGTAGTCCTCAGAAA
FPV134R ORF in bold

TAAAGAACTTGAAATGACAAAACCTTATATGTTCTTCAATGAACTAGTAGGTGAAGAAGACTATAACAAAGAGTTAGAAAATTC
ATTTCTTGAACTTTACTGTTTTGGAATATACAAGAAGTTACTTGATCATCCTCTCTTCTTGATATTGTTTCTCAATCTTTTAAG

TAATACTAAGTTTCAAGGACAGGGCCAGCTTAAGCTGTTATTAGGAGAACTTTATTTCTTAAATACATTAATCAAGAATAAAAC
ATTATGATTCAAAGTTCCTGTCCCGGTCGAATTCGACAATAATCCTCTTGAAATAAAGAATTTATGTAATTAGTTCTTATTTTG

Early transcriptional stop sequence for rat PAP

 $\textbf{ACATAGGTTTGTAGATCAATACTTGTTTAAGCTACGTAATATGATTAGGAAAAACCATAAAATTGTACTGATATCAGATATTGTATCCAAACATCTACTTGTTATGAACAAATTCGATGCATTATACCTAATCCTTTTTTGGTATTTTAACATGACTATAGTCTATA$

TAGATCGCTAAGAGGAAAAGAACCTACTAGCGAGGACCTATTACACGATTACGCGTTGCAGAATCAAATGGTAAGCATTCTTAA ATCTAGCGATTCTCCTTTTCTTGGATGATCGCTCCTGGATAATGTGCTAATGCGCAACGTCTTAGTTTACCATTCGTAAGAATT

ACCAATAGCATCGAGCCTGAAATGGAGATGTCCGTTTCCGGATCAGTGGATAAGAGACTTTTACATTCCTTGTGGAGATGAGTT TGGTTATCGTAGCTCGGACTTTACCTCTACAGGCAAAGGCCTAGTCACCTATTCTCTGAAAATGTAAGGAACACCTCTACTCAA

1

A

FIGURE 5 cont.

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Insertion site of VIR502 containing human IL2 and human PAP sequences

The FPV ORFs are with reference to FPV genome ORFs - Genbank Ac No.: AF198100

ATGGATAGAAATATCAATTTTAGTCCTGTATTTATAGAACCTAGGTTTAAACACGAGTTTCTATTATCTCCTCAAAGGTA
TACCTATCTTTATAGTTAAAATCAGGACATAAATATCTTGGATCCAAATTTGTGCTCAAAGATAATAGAGGAGTTTCCAT
FPV132R ORF in bold →

TTTTTATATATTAGTTTTTGAAGTAATAGTAGCTTTGATTATATTGAATTTTTTCTTTAAGGAAGAAATATTATATACAT AAAAATATATAATCAAAAACTTCATTATCATCGAAACTAATATAACTTAAAAAAGAAATTCCTTCTTTATAATATATGTA

TTTTTCCGTTAGCTAAGCCTTCTAAAAATTCAATAAATAGTCTGCTGGATAGAACTATGTTAAAATGTGAAGAAGATGGA
AAAAAGGCAATCGATTCGGAAGATTTTTAAGTTATTTATCAGACGACCTATCTTGATACAATTTTACACTTCTTCTACCT

TCTTTGATGATTTCGAGACCTTCCGGTATCTATTCGGCCTTGAGTTTAGATGGTTCACCGGTAAGGATTTCCGATTGTAG AGAAACTACTAAAGCTCTGGAAGGCCATAGATAAGCCGGAACTCAAATCTACCAAGTGGCCATTCCTAAAGGCTAACATC

TTTGCTTTTATCGTCAATAAATGGCGCATCCTCATCAACATCTCCTTACTCTATTTTTAACAGACGATAACGGATTTTAT
AAACGAAAATAGCAGTTATTTACCGCGTAGGAGTAGTTGTAGAGGAATGAGATAAAAATTGTCTGCCTATAAATA

CGTTCTTATACGTTCTAAAGAGAAACTAGAAAATATAGGATGTTCTTACGAGCCTATGAGTGAATCGTTAAGGCTCTTAGGCAAGAATATGCAAGAATTCTCTTTGATCTTTTATATCCTACAAGAATGCTCGGATACTCACTTAGCAAATTCCGAGAAT

 ${\tt TTAAAGTAAAGGATGATGGTACTTTAGTAAAAGCATTTACCAAGCCATTGTTAAATCCTCATTCCGAAAAGATAGTTTTAAATTCATTTCCTACCACCATGAAATCATTTTCGTAAATGGTTCGGTAACAATTTAGGAGTAAGGCTTTTCTATCAAAAT$

GATAGAGGTTATACTTCGGATTTTGCTATAAGCGTAATAAGACTATCTAGTAAAAGCAGTTATATACTTCCCGCAAATACCTATCTCCAATATGAAGCCTAAAACGATATTCGCATTATTCTGATAGATCATTTTCGTCAATATATGAAGGGCGTTTATG

AAAATACATAAATCCAAACGAGAATATGTATATAAACAACCTAATATCACTGCAGAGCGCAACTAGATCT TCCAAACCC
TTTTATGTATTTAGGTTTGCTCTTATACATATATTTGTTGGATTATAGTGATGACTTCGCGTTGATCTAGAAGGTTTGGG

TGTCACAAACAGTGCACCTACTTCAAGTTCGACAAAGAAAACAAAGAAAACACAGCTACAACTGGAGCATTTACTGCTGG ACAGTGTTTGTCACGTGGATGAAGTTCAAGCTGTTTCTTTTGTTTCTTTTGTGTCGATGTTGACCTCGTAAATGACGACC > V T N S A P T S S S T K K T K K T Q L Q L E H L L L

ATTTACAGATGATTTTGAATGGAATTAATAATTACAAGAATCCCAAACTCACCAGGATGCTCACATTTAAGTTTTACATG
TAAATGTCTACTAAAACTTACCTTAATTATTAATGTTCTTAGGGTTTGAGTGGTCCTACGAGTGTAAATTCAAAATGTAC
>D L Q M I L N G I N N Y K N P K L T R M L T F K F Y M

CCCAAGAAGGCCACAGAACTGAAACAGCTTCAGTGTCTAGAAGAAGAACTCAAACCTCTGGAGGAAGTGCTGAATTTAGC
GGGTTCTTCCGGTGTCTTGACTTTGTCGAAGTCACAGATCTTCTTCTTGAGTTTGGAGACCTCCTTCACGACTTAAATCG
> P K K A T E L K Q L Q C L E E E L K P L E E V L N L A

TCAAAGCAAAAACTTTCACTTAAGACCCAGGGACTTAATCAGCAATATCAACGTAATAGTTCTGGAACTAAAGGGATCTG AGTTTCGTTTTTGAAAGTGAATTCTGGGTCCCTGAATTAGTCGTTATAGTTGCATTATCAAGACCTTGATTTCCCTAGAC > O S K N F H L R P R D L I S N I N V I V L E L K G S

AAACAACATTCATGTGAATATGCAGATGAGACAGCAACCATTGTAGAATTTCTGAACAGATGGATTACCTTTTGTCAA TTTGTTGTAAGTACACACTTATACGTCTACTCTGTCGTTGGTAACATCTTAAAGACTTGTCTACCTAATGGAAAACAGTT >E T T F M C E Y A D E T A T I V E F L N R W I T F C Q ${\tt AGCATCATCTCAACACTAACTTGA} \textbf{TTTTGT} {\tt aGATCTGtcgaccatttagtatcctaaaattgaattgtaattatcg}$ TCGTAGTAGAGTTGTGATTGAACTAAAAACAtCTAGACagctgqtaaatcataggattttaacttaacattaatagc > S I I S T L T FPV early late promoter → Early transcriptional in bold & italic stop sequence in bold ataataaAT GAGGCTGCACCCTCCTCCTGGCCAGGGCAGCCATGCCTTAGCCTTGGCTTCTTGTTTTTTCT> M R A A P L L L A R A A S L S L G F L F L L F F Human PAP protein coding sequence → GGCTAGACCGAAGTGTACTAGCCAAGGAGTTGAAGTTTGTGACTTTGGTGTTTTCGGCATGGAGACCGAAGTCCCATTGAC CCGATCTGGCTTCACATGATCGGTTCCTCAACTTCAAACACTGAAACCACAAAGCCGTACCTCTGGCTTCAGGGTAACTG >W L D R S V L A K E L K F V T L V F R H G D R S P I D ACCTTTCCCACTGACCCCATAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACTCACCCAGCTGGGCATGGAGCAGCA TGGAAAGGGTGACTGGGGTATTTCCTTAGGAGTACCGGTGTTCCTAAACCGGTTGAGTGGGTCGACCCGTACCTCGTCGT > T F P T D P I K E S S W P Q G F G Q L T Q L G M E Q H TTATGAACTTGGAGAGTATATAAGAAAGAGATATAGAAAATTCTTGAATGAGTCCTATAAACATGAACAGGTTTATATTC AATACTTGAACCTCTCATATATTCTTTCTCTATATCTTTTAAGAACTTACTCAGGATATTTGTACTTGTCCAAATATAAG > Y E L G E Y I R K R Y R K F L N E S Y K H E Q V Y I GAAGCACAGACGTTGACCGGACTTTGATGAGTGCTATGACAAACCTGGCAGCCCTGTTTCCCCCAGAAGGTGTCAGCATC CTTCGTGTCTGCAACTGGCCTGAAACTACTCACGATACTGTTTGGACCGTCGGGACAAAGGGGGTCTTCCACAGTCGTAG >R S T D V D R T L M S A M T N L A A L F P P E G V S I TGGAATCCTATCCTACTCTGGCAGCCCATCCCGGTGCACACAGTTCCTCTTTCTGAAGATCAGTTGCTATACCTGCCTTT ACCTTAGGATAGGATGAGACCGTCGGGTAGGGCCACGTGTGTCAAGGAGAAAGACTTCTAGTCAACGATATGGACGGAAA > W N P I L L W O P I P V H T V P L S E D O L L Y L P F CAGGAACTGCCCTCGTTTTCAAGAACTTGAGAGTGAGACTTTGAAATCAGAGGGAATTCCAGAAGAGGCTGCACCCTTATA GTCCTTGACGGGAGCAAAAGTTCTTGAACTCTCACTCTGAAACTTTAGTCTCCTTAAGGTCTTCTCCGACGTGGGAATAT > R N C P R F Q E L E S E T L K S E E F Q K R L H P Y AGGATTTTATAGCTACCTTGGGAAAACTTTCAGGATTACATGGCCAGGACCTTTTTTGGAATTTGGAGTAAAGTCTACGAC TCCTAAAATATCGATGGAACCCTTTTGAAAGTCCTAATGTACCGGTCCTGGAAAAACCTTAAACCTCATTTCAGATGCTG >K D F I A T L G K L S G L H G Q D L F G I W S K V Y D CCTTTATATTGTGAGAGTGTTCACAATTTCACTTTACCCTCCTGGGCCACTGAGGACACCATGACTAAGTTGAGAGAATT GGAAATATAACACTCTCACAAGTGTTAAAGTGAAATGGGAGGACCCGGTGACTCCTGTGGTACTGATTCAACTCTCTTAA > P L Y C E S V H N F T L P S W A T E D T M T K L R E L GTCAGAATTGTCCCTCTGTCCCTCTATGGAATTCACAAGCAGAAAGAGAAATCTAGGCTCCAAGGGGGTGTCCTGGTCA CAGTCTTAACAGGGAGGACAGGGAGATACCTTAAGTGTTCGTCTTTCTCTTTAGATCCGAGGTTCCCCCACAGGACCAGT > S E L S L L S L Y G I H K Q K E K S R L Q G G V L V ATGAAATCCTCAATCACATGAAGAGAGCAACTCAGATACCAAGCTACAAAAAACTTATCATGTATTCTGCGCATGACACT TACTTTAGGAGTTAGTGTACTTCTCTCGTTGAGTCTATGGTTCGATGTTTTTTGAATAGTACATAAGACGCGTACTGTGA >N E I L N H M K R A T Q I P S Y K K L I M Y S A H D T >TVSGLQMALDVYNGLLPPYASCHLTEL

FIGURE 6 cont.

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GTACTTTGAGAAGGGGGAGTACTTTGTGGAGATGTACTATCGGAATGAGACGCAGCACGAGCCGTATCCCCTCATGCTAC
CATGAAACTCTTCCCCCTCATGAAACACCTCTACATGATAGCCTTACTCTGCGTCGTGCTCGGCATAGGGGAGTACGATG
> Y F E K G E Y F V E M Y Y R N E T Q H E P Y P L M L

TGTATGACCACAAACAGCCATCAAGGTACTGAGGACAGTACAGATTAATTTTTCTGTCGACCCATGGTTGTTAAAAAGGAACAGCTGGTGTTGTCAAACAACAGCTGGTGTTTTTCCT
> C M T T N S H Q G T E D S T D •

CAAAACCTTATATGTTCTTCAATGAACTAGGTGAAGAAGACTATAACAAAGAGTTAGAAAATTCTAATACTAAGTTT
GTTTTGGAATATACAAGAAGTTACTTGATCATCCACTTCTTCTGATATTGTTTCTCAATCTTTAAGATTATGATCAAA

CAAGGACAGGGCCAGCTTAAGCTGTTATTAGGAGAACTTTATTTCTTAAATACATTAATCAAGAATAAAACGTTATGTTC
GTTCCTGTCCCGGTCGAATTCGACAATAATCCTCTTGAAATAAAGAATTTATGTAATTAGTTCTTATTTTGCAATACAAG

> Early transcriptional stop sequence in bold for human PAP sequence

CATAGGTTTGTAGATGAACAATACTTGTTTAAGCTACGTAATATGATTAGGAAAAACCATAAAATTGTACTGATATCAGA GTATCCAAACATCTACTTGTTATGAACAAATTCGATGCATTATACTAATCCTTTTTTGGTATTTTAACATGACTATAGTCT

TATTAGATCGCTAAGAGGAAAAGAACCTACTAGCGAGGACCTATTACACGATTACGCGTTGCAGAATCAAATGGTAAGCA
ATAATCTAGCGATTCTCCTTTTCTTGGATGATCGCTCCTGGATAATGTGCTAATGCGCAACGTCTTAGTTTACCATTCGT

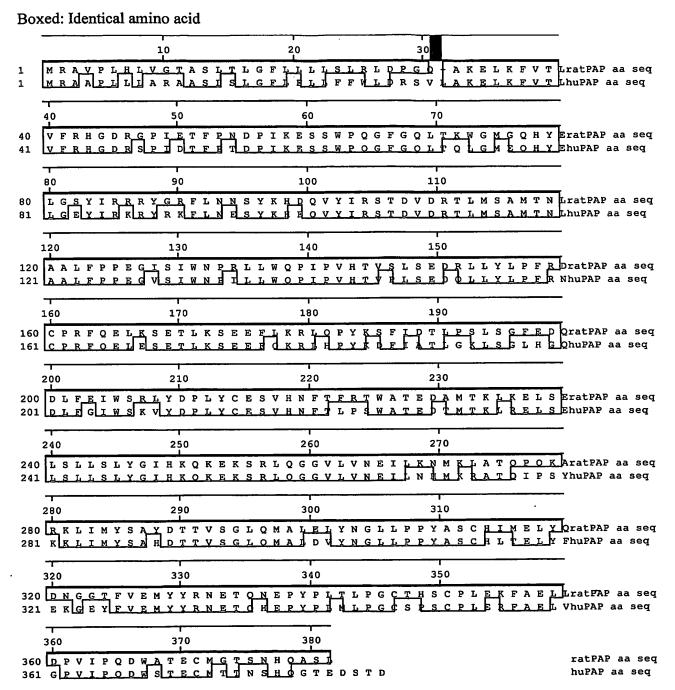
TTCTTAAACCAATAGCATCGAGCCTGAAATGGAGATGTCCGTTTCCGGATCAGTGGATAAGAGACTTTTACATTCCTTGT AAGAATTTGGTTATCGTAGCTCGGACTTTACCTCTACAGGCAAAGGCCTAGTCACCTATTCTCTGAAAATGTAAGGAACA

GGAGATGAGTTT CCTCTACTCAAA

FIGURE 6 cont.

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Amino acid sequence alignment of rat PAP from VIR501 with human PAP from VIR502



Decoration 'Decoration #1': Box residues that match ratPAP aa seq exactly.

FIGURE 7

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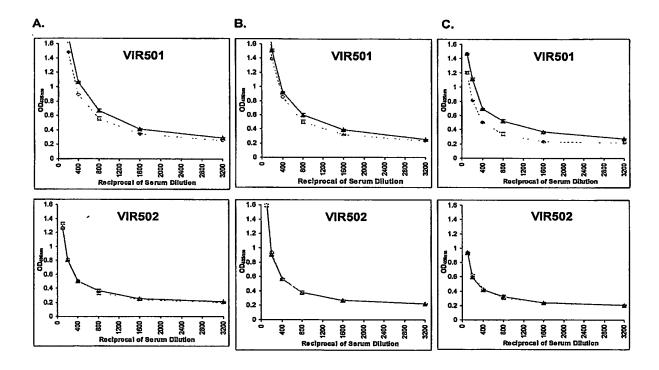
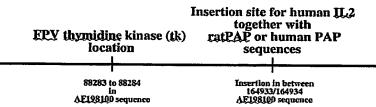
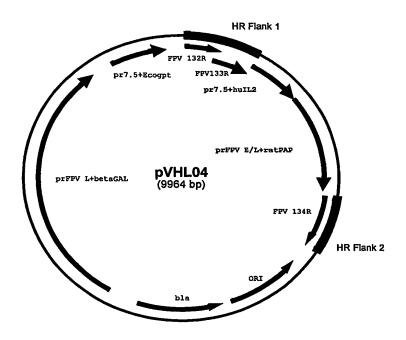


FIGURE 8

EPY genome Example below based on Genbank sequence AF198100



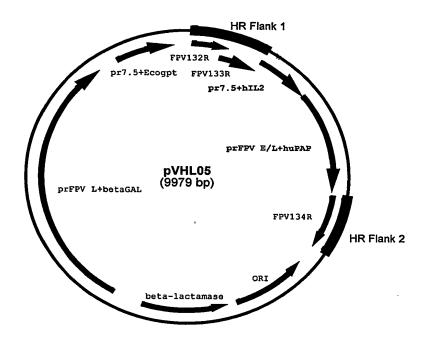
14/15



pVHL04 was constructed by cloning the following into a bacterial plasmid vector:

- 1. prFPV L+betaGAL: beta-Galactosidase protein coding sequence operatively linked to a fowlpox virus late promoter
- 2. pr7.5+Ecogpt: E coli xanthine-guanine phosphoribosyl transferase protein coding sequence operatively linked to a vaccinia virus p7.5 promoter
- 3. Fowlpox Virus nucleotide sequence spanning ORFs 132 and 133 these two ORFs over lap each other. This sequence forms the homologous recombination flank 1.
- 4. pr7.5+huIL2: human IL2 protein coding sequence operatively linked to a vaccinia virus p7.5 promoter.
- 5. prFPV E/L+rat PAP: rat prostatic acid phosphatase (PAP) protein coding sequence operatively linked to a fowlpox virus early late promoter.
- 6. Fowlpox Virus nucleotide sequence spanning ORFs 134 this sequence forms the homologous recombination flank 2.

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pVHL05 was constructed by cloning the following into a bacterial plasmid vector:

- 7. prFPV L+betaGAL: beta-Galactosidase protein coding sequence operatively linked to a fowlpox virus late promoter
- 8. pr7.5+Ecogpt: E coli xanthine-guanine phosphoribosyl transferase protein coding sequence operatively linked to a vaccinia virus p7.5 promoter
- 9. Fowlpox Virus nucleotide sequence spanning ORFs 132 and 133 these two ORFs over lap each other. This sequence forms the homologous recombination flank 1.
- 10. pr7.5+huIL2: human IL2 protein coding sequence operatively linked to a vaccinia virus p7.5 promoter.
- 11. prFPV E/L+huPAP: human prostatic acid phosphatase (PAP) protein coding sequence operatively linked to a fowlpox virus early late promoter.
- 12. Fowlpox Virus nucleotide sequence spanning ORFs 134 this sequence forms the homologous recombination flank 2.